aiwa

# COMPACT DISC STEREO SYSTEM

# LCX-110

**OPERATING INSTRUCTIONS**
**BEDIENUNGSANLEITUNG**
**MODE D'EMPLOI**
**MANUAL DE INSTRUCCIONES**
**ISTRUZIONI PER L'USO**

En (English)

R·D·S EON

COMPACT disc DIGITAL AUDIO

CL5-909-01
)326AAO-UX

EZ

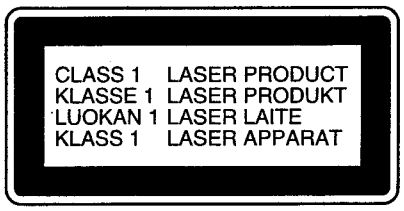
## WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

## CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

This compact disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the exterior.




## CAUTION!

Invisible laser radiation when open and inter locks defeated. Avoid exposure to beam.

**ADVARSEL!**
Usynlig laserståling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

**VAROITUS!**
Laitteen käyttäminen muulla kuin tässä käyttöohjeessaa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteiylle.

**VARNING!**
Om apparaten används på annat sätt än i denna bruksanvisning specificerats, kan användaren utsätta för osnylig laser-strålning, som överskrider gränsen för laserklass 1.

**OBSERVERA**
Så länge som apparaten är ansluten till nätet flyter en svag ström genom densamma, även då den är avstängd. Om man under en längre tid ej har för avsikt att använda den, drag då ur nätkabeln.

**BEMÆRK**
Apparatet er stadig forbundet med lysnettet, så længe stikket er tilsluttet til stikkontakten, selv om afbryteren er slået fra. Hvis apparatet ikke bruges i længere tid, skal netledningen trækkes ud.





# PRECAUTIONS

Read the Operating Instructions carefully and completely before operating the unit. Be sure to keep the Operating Instructions for future reference. All warnings and cautions in the Operating Instructions and on the unit should be strictly followed, as well as the safety suggestions below.

**Installation**

1 **Water and moisture** — Do not use this unit near water, such as near a bathtub, washbowl, swimming pool, or the like.
2 **Heat** — Do not use this unit near sources of heat, including heating vents, stoves, or other appliances that generate heat. It also should not be placed in temperatures less than 5°C (41°F) or greater than 35°C (95°F).
3 **Mounting surface** — Place the unit on a flat, even surface.
4 **Ventilation** — The unit should be situated with adequate space around it so that proper heat ventilation is assured. Allow 10 cm (4 in.) clearance from the rear and the top of the unit, and 5 cm (2 in.) from the each side.
   - Do not place the unit on a bed, rug, or similar surface that may block the ventilation openings.
   - Do not install the unit in a bookcase, cabinet, or airtight rack where ventilation may be impeded.
5 **Objects and liquid entry** — Take care that objects or liquids do not get inside the unit through the ventilation openings.
6 **Carts and stands** — When placed or mounted on a stand or cart, the unit should be moved with care.
   Quick stops, excessive force, and uneven surfaces may cause the unit or cart to overturn or fall.
7 **Condensation** — Moisture may form on the CD pickup lens when:
   - The unit is moved from a cold spot to a warm spot
   - The heating system has just been turned on
   - The unit is used in a very humid room
   - The unit is cooled by an air conditioner
   When this unit has condensation inside, it may not function normally. Should this occur, leave the unit for a few hours, then try to operate again.
8 **Wall or ceiling mounting** — The unit should not be mounted on a wall or ceiling, unless specified in the Operating Instructions.

**Electric Power**

1 **Power sources** — Connect this unit only to power sources specified in the Operating Instructions, and as marked on the unit.
2 **AC power cord**
   - When disconnecting the AC power cord, pull it out by the AC power plug. Do not pull the cord itself.
   - Never handle the AC power plug with wet hands, as this could result in fire or shock.
   - Power cords should be firmly secured to avoid being severely bent, pinched, or walked upon. Pay particular attention to the cord from the unit to the power socket.
   - Avoid overloading AC power plugs and extension cords beyond their capacity, as this could result in fire or shock.
3 **When not in use** — Unplug the AC power cord from the AC power plug if the unit will not be used for several months or more. When the cord is plugged in, a small amount of current continues to flow to the unit, even when the power is turned off.

**Maintenance**

Clean the unit only as recommended in the Operating Instructions.

**Damage Requiring Service**

Have the units serviced by a qualified service technician if:
- The AC power cord or plug has been damaged
- Foreign objects or liquid have gotten inside the unit
- The unit has been exposed to rain or water
- The unit does not seem to operate normally
- The unit exhibits a marked change in performance
- The unit has been dropped, or the cabinet has been damaged

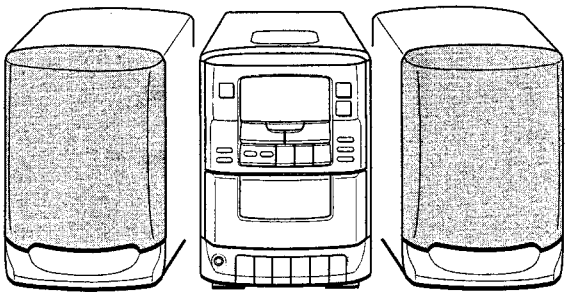
DO NOT ATTEMPT TO SERVICE THE UNIT YOURSELF.

# *Welcome to the Aiwa Stereo System*

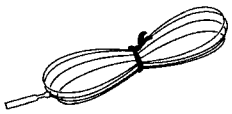
Congratulations on your purchase of an Aiwa Stereo System. To optimize the performance of this system, please take the time to read through these Operating Instructions and become familiar with the operating procedures.

**Check your system and accessories**

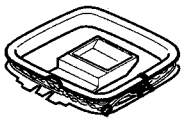
LCX-110
Compact disc stereo system



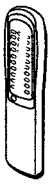
FM antenna



MW/LW antenna



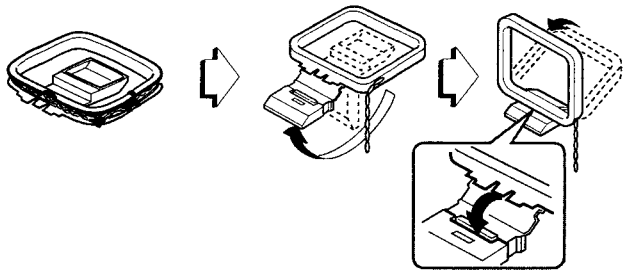
Remote control



Operating Instructions, etc.

**To stand the MW/LW antenna on a surface**

Fix the claw to the slot.



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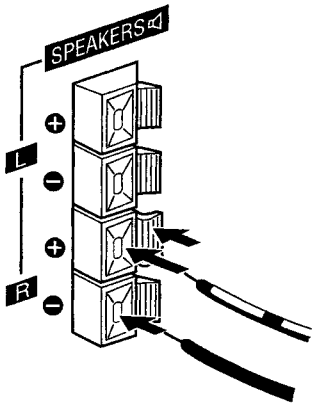
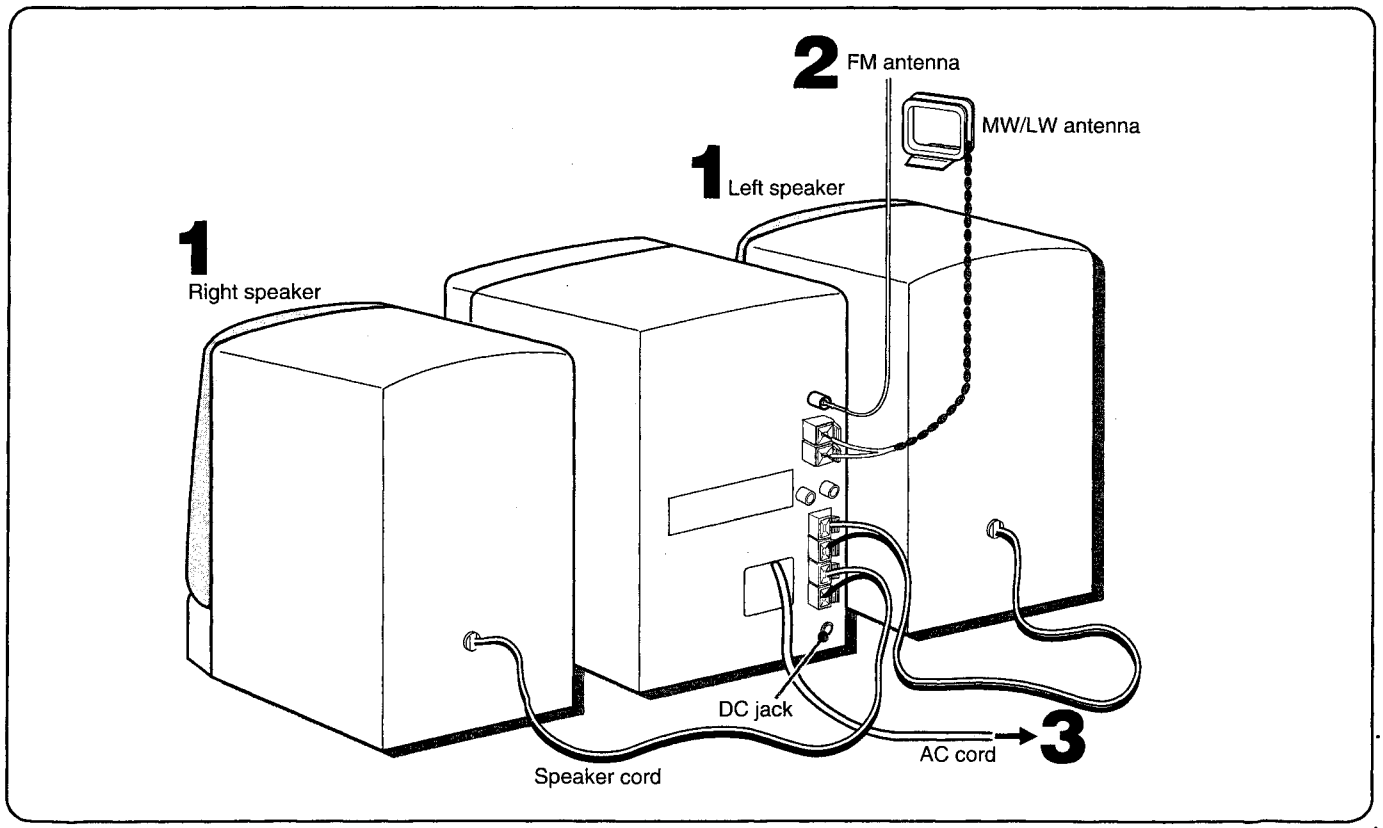
# CONNECTIONS

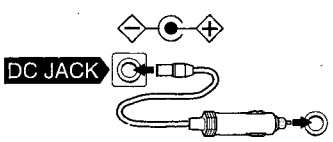
**Before connecting the AC cord**
The rated voltage of your unit shown on the rear panel is 230 V AC. Check that the rated voltage matches your local voltage.

**IMPORTANT**
- Connect the speakers, antennas, and all optional equipment first. Then connect the AC cord in the end.
- There are no differences between the front speakers. Both speakers can be connected as L (Left) or R (Right).

### *1* Connect the speaker cords to the main unit.
The cords with the white stripes should be connected to the ⊕ terminals and the other cords to the ⊖ terminals.



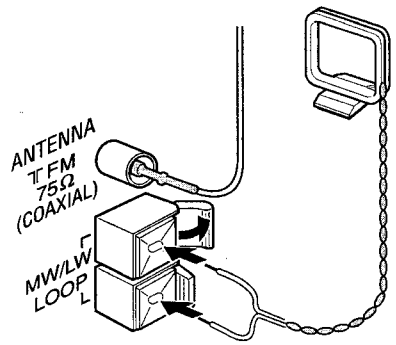




## USING IN A CAR

Use the optional Aiwa DCW-50 car battery cord only.
Connect the DC plug of the car battery cord to the DC JACK on the rear of the unit, and connect the adaptor of the cord to the cigarette lighter socket of a car (12 V DC).

### *2* Connect the supplied antennas.

Connect the FM antenna to the FM 75 Ω terminal and the MW/LW antenna to the MW/LW LOOP terminals.




### *3* Connect the AC cord to an AC outlet.

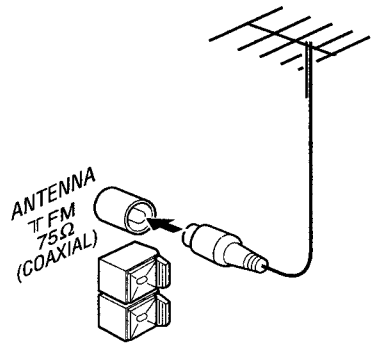
**To position the antennas**
**FM antenna:**
Extend fully and fix its end to the wall.
**MW/LW antenna:**
Position to find the best direction.

**NOTE**

- Be sure to connect the speaker cords correctly. Improper connections can cause short circuits in the SPEAKERS terminals.
- Do not leave objects generating magnetism near the speakers.
- Do not bring the FM antenna near metal objects or curtain rails.
- Do not bring the MW/LW antenna near other optional equipment, the stereo system itself, the AC cord or speaker cords, since noise will be picked up.
- Do not unwind the MW/LW antenna wire.

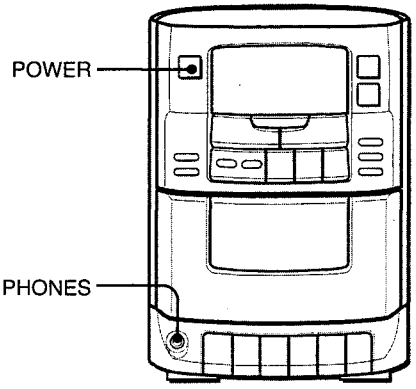
## CONNECTING AN OUTDOOR ANTENNA

For better FM reception, use of an outdoor antenna is recommended.
Connect the outdoor antenna to the FM 75 Ω terminal.




**To connect other optional equipment → page 15.**

# BEFORE OPERATION



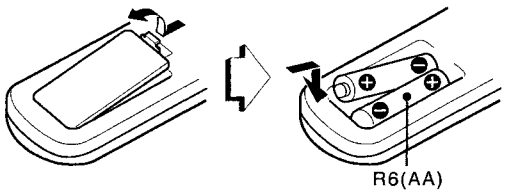

**To turn the unit on**
Press the POWER button.

**After use**
Press the POWER button to turn off the power. The display changes to the clock.

**Using the headphones**
Connect headphones to the PHONES jack with a stereo mini plug (ø3.5 mm, 1/8 inch).
No sound is output from the speakers while the headphones are plugged in.

## REMOTE CONTROL

**Inserting batteries into the remote control**
Detach the battery cover on the rear of the remote control and insert two R6 (size AA) batteries.

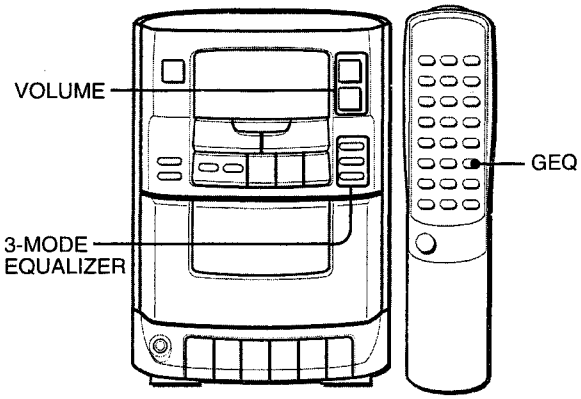



**When to replace the batteries**
The maximum operational distance between the remote control and the sensor on the main unit should be approximately 5 meters (16 feet). When this distance decreases, replace the batteries with new ones.

**NOTE**

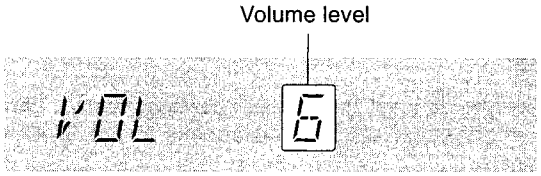
- If the unit is not going to be used for an extended period of time, remove the batteries to prevent possible electrolyte leakage.
- The remote control may not operate correctly when:
  - The line of sight between the remote control and the remote sensor on the display is exposed to intense light, such as direct sunlight
  - Other remote controls are used nearby (television, etc.)

# ADJUSTING THE SOUND




## VOLUME CONTROL

**Press the VOLUME buttons.**




## GRAPHIC EQUALIZER

**Press one of the 3-MODE EQUALIZER buttons.**

**ROCK:** Powerful sound emphasizing treble and bass.
**POP:** More presence in the vocals and midrange.
**JAZZ:** Sound enriched with heavy bass and fine treble.

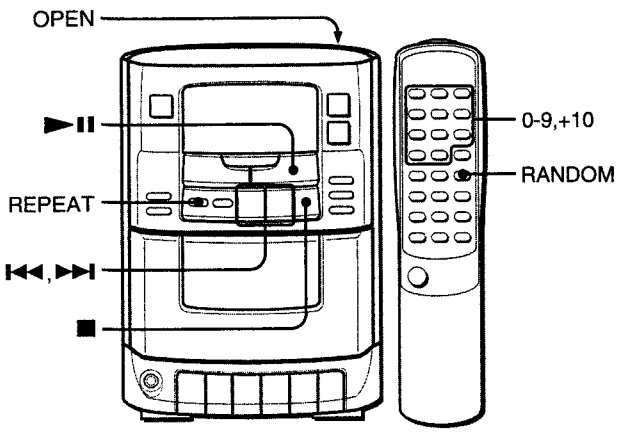
**To cancel the selected mode**
Press the selected button again.

**When using the remote control**
Press the GEQ button until the desired equalization mode is displayed.
The equalization mode changes to ROCK, POP, JAZZ or no equalization cyclically.

## SOUND ADJUSTMENT DURING RECORDING

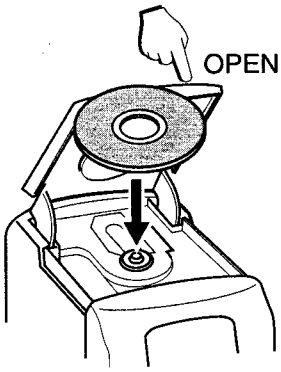
The output volume and tone of the speakers or headphones may be freely varied without affecting the level of the recording.

# PLAYING A CD




## LOADING A DISC

**Press the OPEN mark to open the disc compartment. Load a disc with the label side up and close the disc compartment.**




## PLAYING A DISC

Load a disc.

**Press the ►II button.**
Play begins with the first track.

Number of track being played

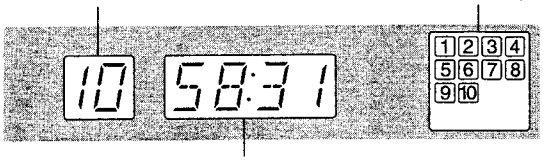
Elapsed playing time

**To stop play,** press the ■ button.
**To pause play,** press the ►II button. To resume play, press again.
**To search for a particular point during playback,** keep the I◄◄ or ►►I button pressed and release the button at the desired point.
**To skip to the beginning of a track during playback,** press the I◄◄ or ►►I button repeatedly.

**Display in stop mode**

Total number of tracks

Music calendar (only the first 16 tracks are displayed)




Total playing time

**To start play when the power is off (Direct Play Function)**
Press the ►II button. The power is turned on and play of the loaded disc begins.
If other than CD play is selected with the power on, one press of the ►II button selects the CD function and starts play.

**To select a track with the remote control**
Press the numberd buttons and the +10 button to select a track.
Example:
To select the 25th track, press the +10, +10 and 5 buttons.
To select the 10th track, press the +10 and 0 buttons.
The selected track starts to play and play continues to the end of that disc.

**NOTE**

- Do not place more than one compact disc in the disc compartment.
- Do not try to open the disc compartment during play.

## RANDOM PLAY

All the tracks on the disc can be played randomly.
**Press the RANDOM button on the remote control in stop mode to display "rAn".**
Press the ►II button to start play.

**To cancel random play,** repeat the above again.

**NOTE**

- Even if the I◄◄ button is pressed, a previously played track cannot be skipped. The unit returns to the beginning of the current track only.
- Direct selection of the tracks with the numbered buttons is not possible.

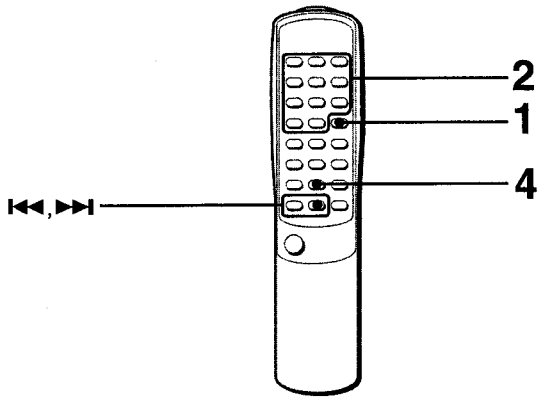
## REPEAT PLAY

One track, all the tracks or programmed tracks can be played repeatedly.
**Press the REPEAT button to display "REPEAT 1 " or "REPEAT ALL".**
To repeat the current track only, display "REPEAT 1".
To repeat all the tracks, display "REPEAT ALL".

**To cancel repeat play,** press the REPEAT button to turn off "REPEAT".
**To repeat the desired tracks only,** program the tracks and press the REPEAT button twice to display "REPEAT ALL".

## PROGRAMMED PLAY

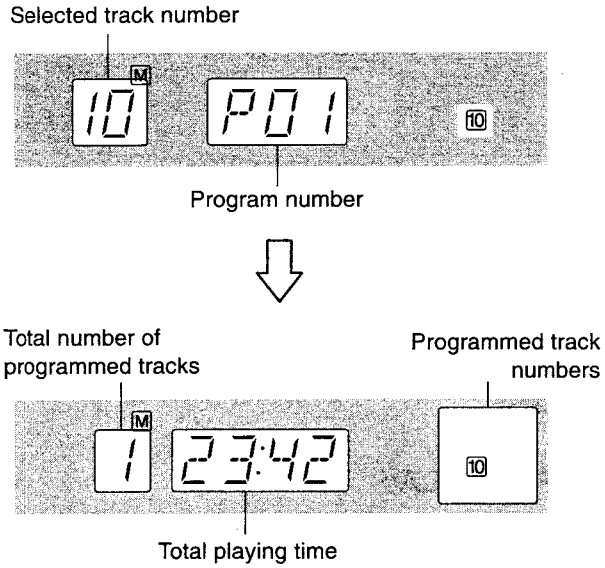
Up to 20 tracks can be programmed from the inserted disc.




Use the remote control.

**1 Press the SET button in stop mode.**
"M" flashes on the display.

**2 Press the numbered buttons and +10 button to program track.**
Example:
To select the 12th track, press the +10 and 2 buttons.
To select the 20th track, press the +10, +10 and 0 buttons.




**3 Repeat step 2 to program other tracks.**

**4 Press the ►II button to start play.**

**To check the program**
Each time the I◄◄ or ►►I button is pressed in stop mode, a track number and program number will be displayed.

**To clear the program**
Press the ■ button in stop mode.

**To add tracks to the program**
Before playing, repeat step 2. The track will be programmed after the last track.

**To change the programmed tracks**
Clear the program and repeat all the steps again.

**NOTE**

- During programmed play, the following operations cannot be performed.
  - Random play
  - One-track repeat (REPEAT 1).
- If the programmed time is more than 99:59 minutes, or the disc track number 31 or above is programmed, the display shows --:-- as the total playing time.

# PRESETTING STATIONS

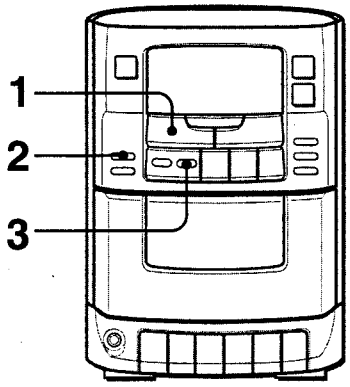
The unit can store a maximum of 16 preset stations for each band, however it can only store a total of 32 preset stations. Presetting allows you to tune in to a station directly. Stations are assigned preset numbers, beginning from 1 in consecutive order for each band (FM, MW, LW).

**Automatic presetting:**
This unit has a function for reception of *1RDS (Radio Data System) and other stations.
FM RDS stations take priority over other FM stations if there are more than 16 receivable stations.

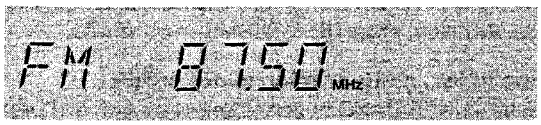
**Manual presetting:**
You can select stations to be preset from all the bands.

## AUTOMATIC PRESETTING

The tuner scans through the receivable frequency range and stores stations automatically.




***1 Press the TUNER BAND button.***
A station is displayed.

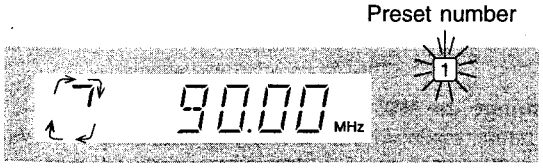



If the power is turned off, the previously tuned station will be played (Direct Play Function).

***2 Keep the RDS button pressed for 4 seconds until AUTO PRESET is displayed.***

***3 Within 4 seconds, press the SET button.***
The tuner searches for a station, beginning with the FM band. When a tuned station is stored, the preset number flashes on the display.

Preset number




The search continues on the MW and LW bands if preset numbers are still available.
When automatic presetting has been completed, the display returns to the first preset station.

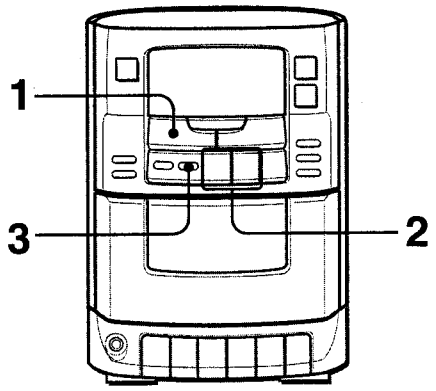
**When the tuner detects *2identical RDS stations with alternative frequencies**
Only the station with the stronger signal is stored.
Before storing an RDS station, the tuner checks first whether the same stations on the other frequencies are present, and stores the station with the best reception.

**NOTE**
When automatic presetting is done, all previously stored stations are cleared.

***1RDS**
Today many stations transmit so-called RDS (Radio Data System) codes that contain a variety of additional information along with the regular sound signals.

***2Identical RDS stations with alternative frequencies (AF)**
This is a list of alternative frequencies which gives information on the various transmitters broadcasting the same program in the same reception area. It enables receivers equipped with memory to store the list, to reduce the time for switching to another transmitter.

## MANUAL PRESETTING




**1 Press the TUNER BAND button repeatedly to select a band.**

FM → MW → LW

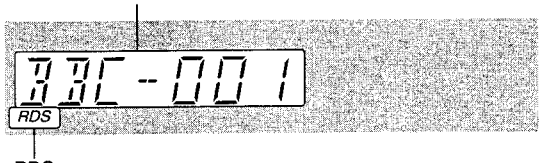
**2 Press the ⏮ DOWN or ⏭ UP button to select a station.**

Each time the button is pressed, the frequency changes.

ⓐ When tuning in to an FM RDS station

After "TUNE" on the display goes out, the Program Service station name (*3PS) is displayed and RDS lights up.

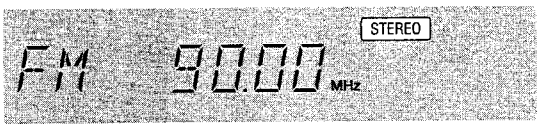
Program Service station name (PS)




RDS

ⓑ When tuning in to the other stations

After "TUNE" on the display goes out, the station is displayed.




• During FM stereo reception, STEREO lights up.

**3 Press the SET button to store the station.**

The selected preset number flashes.

**4 Repeat steps 1 to 3 to store the stations.**

The next station will not be stored if a total of 32 preset stations have already been stored for all bands.

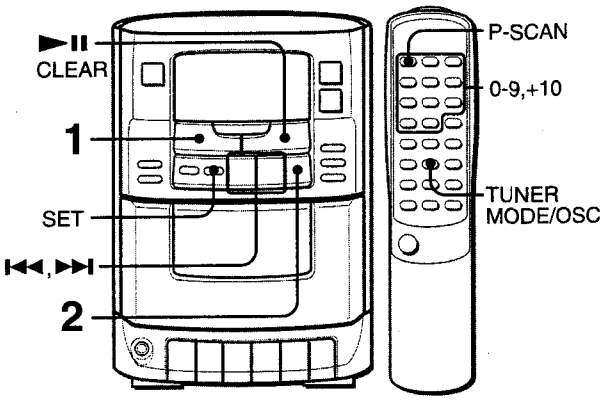
**To search for a station quickly with the ⏮ DOWN or ⏭ UP button (Auto Search)**

Keep one of the buttons pressed until the tuner starts searching for a station. The search stops when the tuner tunes in to a station.

To stop the Auto Search manually, press one of the buttons.

• The Auto Search may not stop at stations with very weak signals.

# RECEPTION BY PRESET NUMBER




**1 Press the TUNER BAND button to select a band.**

**2 Press the ■ PRESET button repeatedly.**

Each time the button is pressed, the next higher number is selected.

**To select a preset number directly**

Press the numbered buttons on the remote control.

Example:

To select preset number 15, press the +10 and 5 buttons.

**To clear a preset station**

Select the preset number of the station to be cleared. Then, press the SET button, and within 4 seconds, press the ⏯ CLEAR button.

The preset numbers of all other stations in the band with higher numbers are also decreased by one.

**To scan preset stations**

Press the P-SCAN button on the remote control until "P.SCAN" is displayed. The preset stations are received in order for 5 seconds each. The preset number flashes during reception.

To stop scanning, press the VOLUME + or – button.

**To tune in to a station which is not preset**

Press the TUNER BAND button to select a band, and press the ⏮ DOWN or ⏭ UP button to select the station.

**To play a tuned station when the power is off (Direct Play Function)**

Press the TUNER BAND button. The power is turned on and the tuned station is played.

**When an FM stereo broadcast contains noise**

Press the TUNER MODE/OSC button on the remote control to display "MONO".

Noise is reduced, although reception is monaural.

To restore stereo reception, press the button so that "MONO" goes out from the display.

**To change the MW tuning interval**

The default setting of the MW tuning interval is 9 kHz/step. If you use the unit in an area where the frequency allocation system is 10 kHz/step, change the tuning interval as follows.

Press the POWER button while pressing the BAND button during power is on.

To reset the interval, repeat this procedure.

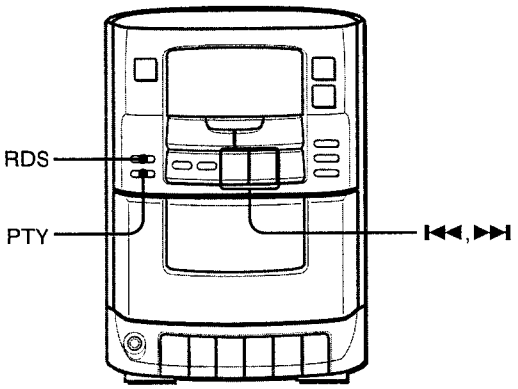
**NOTE**

• When the MW tuning interval is changed, all preset stations are cleared. The preset stations have to be set.

• RDS functions may not work correctly if RDS transmission data from the station contains too much interference or the reception signal is too weak.

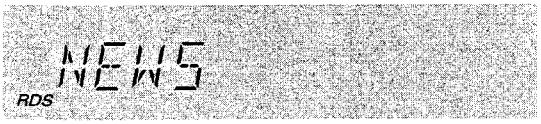
# SEARCHING WITH THE HELP OF RDS CODES

Each RDS station identifies the type of program (*4PTY) which it is currently broadcasting. If you specify a PTY, the unit can automatically detect a suitable station from the preset stations. In addition, the *5EON (Enhanced Other Networks) service works in some areas, so that searching is much faster.




## TO DISPLAY THE PTY

**Press the PTY button during RDS reception.**




Programs are classified as follows:

TRAFFIC, NEWS, AFFAIRS (current affairs), INFO (information), SPORT, EDUCATE (education), DRAMA, CULTURE, SCIENCE, VARIED, POP M (pop music), ROCK M (rock music), M.O.R.M. (middle of the road music), LIGHT M. (light classical), CLASSICS (serious classical), OTHER M (other music), ALARM

**NOTE**

- If program type information is not being transmitted, "NO PTY" is displayed.
- If undefined program type information is being transmitted, "UNDEFINE" is displayed.
- The unit identifies TRAFFIC with one of the program types.

## TO SEARCH FOR A SPECIFIED PTY

1 **Press the PTY button.**
The program type of the currently tuned station is displayed.

2 **Within 4 seconds, press the I◀◀ DOWN or ▶▶I UP button to select a program type.**

3 **Within 4 seconds, press the PTY button again.**
The selected program type flashes. The search automatically checks every preset station. After identifying a suitable station, the station will be selected.

**EON service for the PTY search**
When EON service works to transmit PTY, a suitable station is detected without checking every preset station. When a station transmits EON information, it takes about 30 to 60 seconds for the unit to decode the EON information. After decoding the information, EON lights up on the display.

**When a station is not found**
"NOT FOUND" is displayed and the unit returns to the previous station.

**When the TRAFFIC program type is selected**
The unit searches for a station transmitting a *6TP code. However, the tuned station may not be broadcasting a traffic announcement currently. Wait for a while. The tuned station broadcasts traffic information regularly and a traffic announcement will be made.

***3Program service station name (PS)**
This is a name consisting of not more than 8 alphanumeric characters, which is displayed in order to inform listeners what program service is being broadcast by the radio station.
Example: BBC 1
**Characters which can be displayed**

| |
|---|
| A B C D E F G H I J K L M N O P Q R S T U V W X Y Z |
| 0 1 2 3 4 5 6 7 8 9 < > ? " ' ⌘ @ ⌐ _ ⌡ − + / |

If a character transmitted by the broadcast is not applicable to receivers, a space is left instead.

***4Program type identification (PTY)**
PTY allows selection of listening by one of 15 or more program types rather than by a station.

***5Enhanced other networks information (EON)**
EON information gives the receiver a cross reference to other stations and allows the receiver to switch from the currently tuned station to another RDS station.

***6Traffic program identification (TP)**
This is a code which informs the receiver that a tuned station regularly broadcasts traffic information.

## RECEPTION OF *7TA STATIONS

**To switch to the traffic announcements automatically as soon as they begin**

**Keep the PTY button pressed until "TA ON" is displayed, then release the button.**

"TRAF" is displayed and the unit is set in the TA (traffic announcements) standby mode.
When a TA code is received, it interrupts the FM reception and the traffic announcement is made audible. At this time, "TRAF" is blinking.
At the end of the traffic announcement, the previous FM station is restored.

**To restore the previous FM station during the traffic announcement**

Press the ►II button. At this time, the TA standby mode is canceled and "TRAF" goes off.

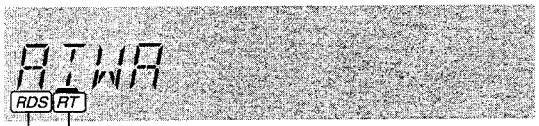
- If the ■ button is pressed, the previous FM station is not restored although the TA standby mode is canceled. The FM station broadcasting the current traffic anouncement stays tuned.

**To cancel the TA standby mode**

Keep the PTY button pressed until "TA OFF" is displayed, then release the button. "TRAF" goes off.

**Radio text (*8RT)**

When the tuned station is transmitting RT codes, RT lights up. At this time, press the RDS button once. RT flashes while text scrolls on the display.
To return to the normal display, press the RDS button again.




RDS RT

If the tuned station is not transmitting RT codes, RT will not light up. In this case, "NO RT" is displayed when you press the RDS button.

**Clock-time (*9CT)**

The CT function provides the unit with information about the local time. The CT function works whenever a CT station is received.

**If you have not set the clock (the clock flashes on the display)**

The current time can be set automatically by tuning in to an RDS station.
If no RDS station is preset, keep the ⏮ DOWN or ⏭ UP button pressed until RDS lights up.

**If the clock does not agree with the broadcast time**

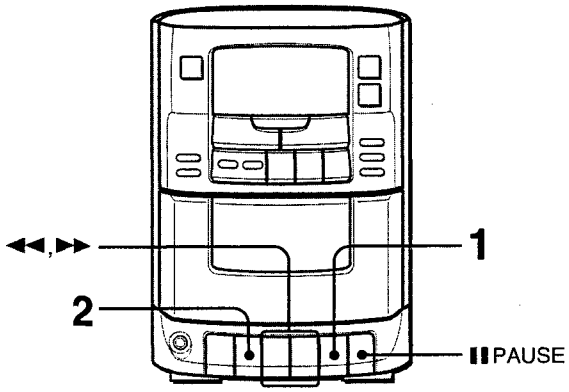
An RDS signal will update the clock time every hour on the hour only if the set clock time is within RDS time by –2 minutes 59 seconds or +3 minutes 59 seconds.

***7Traffic announcement identification (TA)**
This is a code which informs the receiver that a tuned station is currently broadcasting relevant local traffic and travel information.

***8Radiotext (RT)**
Information such as the cast list of a play or the title of a song is shown on the display.

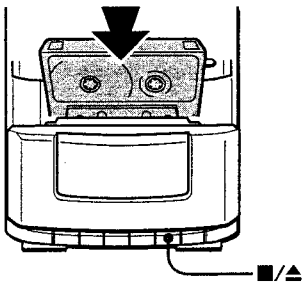
***9Clock-time (CT)**
CT function provides an accurate clock signal which is self adjusting to time zones and seasonal time changes.

# PLAYING A TAPE




Use only type I (normal) tapes.

**1 Press the ■/≜ STOP/EJECT button to open the cassette holder and insert a tape with the exposed side down.**
**Push the cassette holder to close it.**




**2 Press the ► PLAY button.**
TAPE function is selected and play begins.
Only the side facing out from the unit can be played back.

**To stop play,** press the ■/≜ STOP/EJECT button.
**To pause play,** press the ❚❚ PAUSE button. To resume play, press again.
**To fast forward or rewind,** press the ◄◄ REW or ►► F FWD button in stop mode. Then press the ■/≜ STOP/EJECT button to stop the tape.

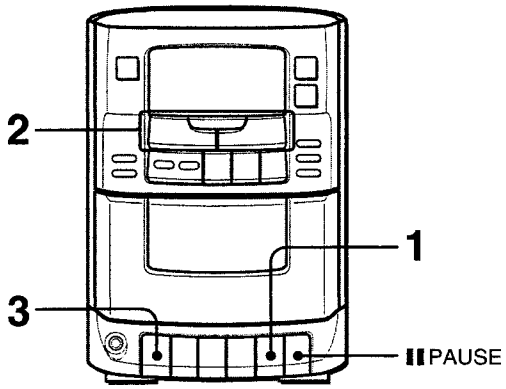
**To start play when the power is off (Direct Play Function)**
Press the ► PLAY button. The power is turned on and play of the inserted tape begins.



# RECORDING



This section explains how to record from the tuner, CD player or other external equipment.




**Preparation**
- Wind up the tape to the point recording starts.
- Note that recording is done on only one side of the tape.
- Use only type I (normal) tapes.

**1 Insert the tape to be recorded on into the deck.**
**Insert the tape with the side to be recorded on facing out from the unit** and the exposed side down.

**2 Get the source ready for recording.**
**To record from a CD,** press the ►❚❚ button and load the disc.
**To record from a radio broadcast,** press the TUNER BAND button and tune in to a station.
**To record from a connected source,** press the AUX button and prepare the source for play.

**3 Press the ● REC button to start recording.**
The ► PLAY button is pressed simultaneously.
When the selected function is CD, playback and recording start simultaneously.
When the selected function is AUX, start playback manually.

**To stop recording,** press the ■/≜ STOP/EJECT button.
**To pause recording,** press the ❚❚ PAUSE button. To resume recording, press again.
**When the tape reaches its end,** the tape stops and the ● REC button is released, During CD recording, CD play pauses automatically. Change the tape and press the ● REC button, then CD play will automatically resume.

**If beat occurs during MW broadcast recording**
Press the TUNER MODE/OSC button on the remote control repeatedly until noise is reduced best.

**To record the selected tracks of the CD**
Program the tracks (see "PROGRAMMED PLAY") and press the ● REC button.

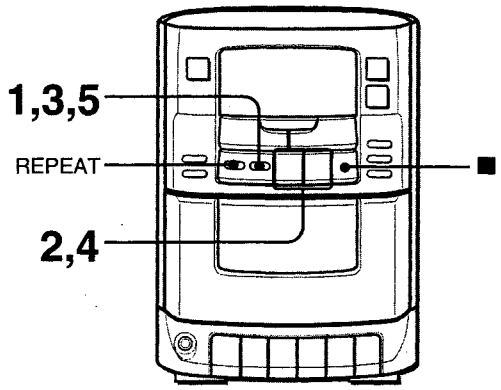
**NOTE**
If you press the ►❚❚ button during recording from CD, play begins from the 1st track again.

En

**About cassette tapes**
- **120-minute or longer tapes** are extremely thin and easily deformed or damaged. They are not recommended.
- **Take up any slack in** the tape with a pencil or similar tool before use. Slack tape may break or jam in the mechanism.

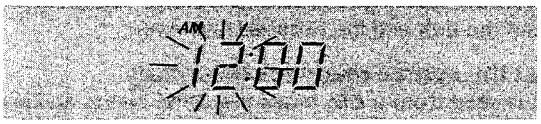
**COPYRIGHT**
Please check the laws on copyright relating to recordings from discs, radio or external tape for the country in which the machine is being used.

# SETTING THE CLOCK




When the AC cord is connected for the first time, the time on the display flashes.
**Set the time as follows while the power is off.**

***1*** **Press the SET button.**
The hour flashes.



(12-hour standard)

***2*** **Press the I◄◄ or ►►I button to designate the hour.**

***3*** **Press the SET button to set the hour.**
The hour stops flashing and the minute starts flashing.

***4*** **Press the I◄◄ or ►►I button to designate the minute.**

***5*** **Press the SET button to set the minute and complete setting.**
The minute stops flashing on the display and the clock starts from 00 second.

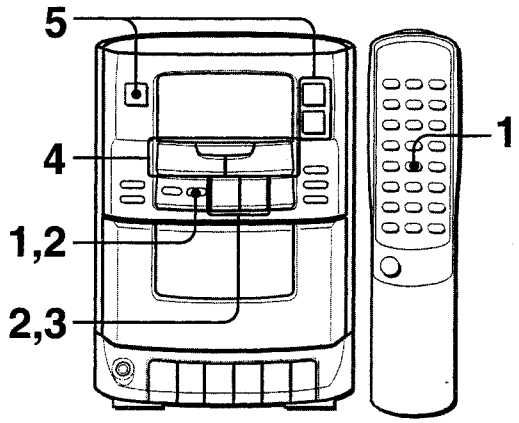
**To correct the current time**
Press the POWER button to turn the unit off and press the SET button. Then, carry out steps 1 to 5 above.

**To display the current time**
Keep the ■ button pressed until the clock is displayed. The time is displayed for 4 seconds.

**To switch to the 12/24-hour standard**
While the power is on, keep the ■ button pressed until the clock is displayed and then press the REPEAT button within 4 seconds.

**If the clock display flashes while the power is off**
This is caused by a power interruption. The current time needs to be reset.
If power is interrupted for more than approximately 12 hours, all settings stored in memory after purchase need to be reset.

# SETTING THE TIMER




The unit can be turned on at a specified time every day with the built-in timer.

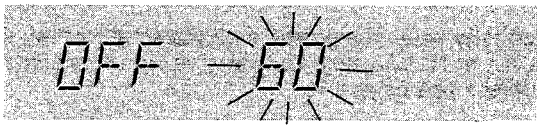
**Preparation**
Make sure the clock is set correctly.

***1*** **Press the TIMER button on the remote control to display ◴, and press the SET button <u>within 4 seconds.</u>**
◴ is displayed, and the hour flashes.

**NOTE**
If you do not press the SET button within 4 seconds, another operation may start.

***2*** **Designate the hour of the timer-on time by pressing the I◄◄ or ►►I button, and the SET button. Repeat to designate the minute of the timer-on time.**

***3*** **<u>Within 4 seconds</u>, select the duration for the timer-activated period with the I◄◄ or ►►I button.**



The duration for the timer-activated period can be set between 5 and 240 minutes in 5-minute steps.
- If this step is not completed within 4 seconds, repeat from step 1.

***4*** **Prepare the source.**
**To listen to a CD,** press the ►II button and load the disc.
**To listen to the radio,** press the TUNER BAND button and tune in to a station.

**5 Press the POWER button to turn the unit off after adjusting the volume.**

◴ remains on the display after the power is turned off (timer standby mode).

When the timer-on time is reached, the unit turns on and begins play with the selected source.

**To check the specified time**

Press the TIMER button on the remote control. The timer-on time flashes for 4 seconds. However, the duration for the timer-activated period will not be displayed.

**To cancel timer standby mode temporarily**

Press the TIMER button on the remote control twice to turn off ◴.

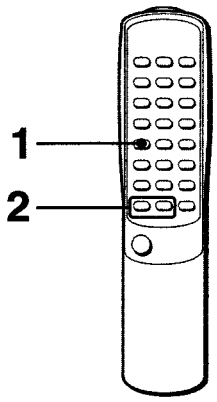
**Using the unit while the timer is set**

You can use the unit normally after setting the timer.
Before turning off the power, repeat step 4 to prepare the source, and adjust the volume.

**NOTE**

- Timer playback will not begin unless the power is turned off.
- Connected equipment cannot be turned on and off by the built-in timer of this unit. Use an external timer.
- When power is interrupted, ◴ display disappears and the clock flashes. Reset the clock and set the timer again.

# SETTING THE SLEEP TIMER



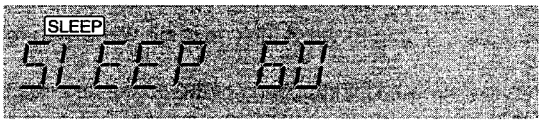

The unit can be turned off automatically at a specified time.

**Preparation**

Make sure the clock is set correctly.

Use the remote control.

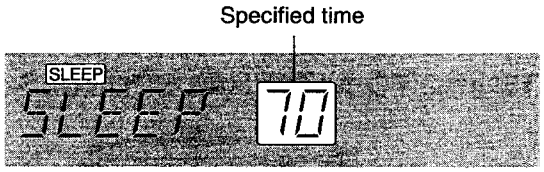
**1 Press the SLEEP button.**




**2 Within 4 seconds, press the ⏮ or ⏭ button to specify the time until the power is turned off.**

Each time the button is pressed, the time changes between 5 and 240 minutes in 5-minute steps.

Specified time




**To check the time remaining until the power is turned off**

Press the SLEEP button once. The remaining time is displayed for 4 seconds.

**To cancel the sleep timer**

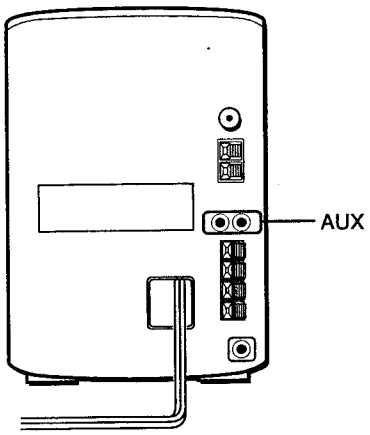
Press the SLEEP button twice until "SLEEP" on the display disappears.

**NOTE**

If the unit is turned off during tape playback, the ▶ PLAY button will not be released. Press the ■/⏏ button to release the ▶ PLAY button.

# CONNECTING OPTIONAL EQUIPMENT

## CONNECTING TO AUX JACKS

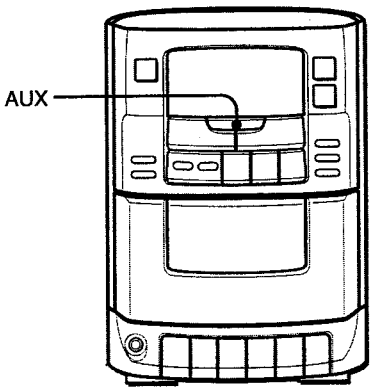



Sound signals can be input to this unit through the AUX jacks.
Use a cable with RCA phono plugs to connect equipment (turntables, LD players with analog output jacks, DAT decks, MD players, VCRs, TVs, etc.).
Connect the red plug to the R jack, and the white plug to the L jack.
Refer to the operating instructions of the connected equipment for details.

- The connecting cords are not supplied. Obtain the necessary connecting cords.
- Consult your local Aiwa dealer for recommended equipment.

**When connecting a turntable**
Use an Aiwa turnable equipped with a built-in equalizer amplifier.

## LISTENING TO EXTERNAL SOURCES




To play equipment connected to the AUX jacks, press the AUX button and start play. "AUX" appears on the display.

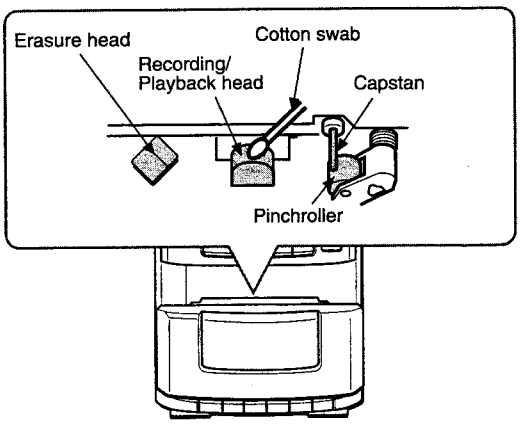


# CARE AND MAINTENANCE

Occasional care and maintenance of the unit and the software are needed to optimize the performance of your unit.

**To clean the cabinet**
Use a soft and dry cloth.
If the surfaces are extremely dirty, use a soft cloth lightly moistened with mild detergent solution. Do not use strong solvents, such as alcohol, benzine or thinner as these could damage the finish of the unit.

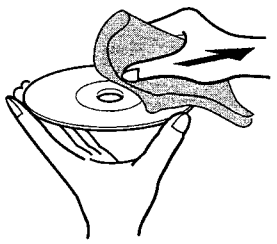
**To clean the heads and tape paths**
After every 10 hours of use, clean the heads and tape paths with a head cleaning cassette or cotton swab moistened with cleaning fluid or denatured alcohol. (These cleaning kits are commercially available.)
When cleaning with a cotton swab, wipe the recording/playback head, erasure head, capstan, and pinchroller.




After cleaning the heads and tape paths with a liquid head cleaning cassette or a moistened swab, wait until the cleaned parts are completely dry before inserting the tapes.

**Care of discs**

- When a disc becomes dirty, wipe the disc from the center out with a cleaning cloth.



- After playing a disc, store the disc in its case. Do not leave the disc in places that are hot or humid.

**Care of tapes**

- Store tapes in their cases after use.
- Do not leave tapes near magnets, motors, television sets, or any source of magnetism. This will downgrade the sound quality and cause noise.
- Do not expose tapes to direct sunlight, or leave them in a car parked in direct sunlight.

# SPECIFICATIONS

**Main unit**

**FM tuner section**

| | |
|---|---|
| **Tuning range** | 87.5 MHz to 108 MHz |
| **Antenna** | Wire antenna |

**MW tuner section**

| | |
|---|---|
| **Tuning range** | 531 kHz to 1602 kHz (9 kHz step)<br>530 kHz to 1710 kHz (10 kHz step) |
| **Antenna** | Loop antenna |

**LW tuner section**

| | |
|---|---|
| **Tuning range** | 144 kHz to 290 kHz |
| **Antenna** | Loop antenna |

**Amplifier section**

| | |
|---|---|
| **Power output** | 8 W + 8 W (DIN MUSIC POWER)<br>5 W + 5 W (10 % T.H.D. /4 Ω)<br>4 W + 4 W (DIN 1 % Rated Power) |

**Cassette deck section**

| | |
|---|---|
| **Track format** | 4 tracks, 2 channels stereo |
| **Frequency response** | Normal tape: 50 Hz – 12500 Hz |
| **Recording system** | AC bias |
| **Erasure system** | Magnet erase |
| **Heads** | Recording/playback head × 1<br>Erase head × 1 |

**Compact disc player section**

| | |
|---|---|
| **Laser** | Semiconductor laser (λ = 780 nm) |
| **D-A converter** | 1 bit dual |
| **Wow and flutter** | Unmeasurable |

**Speaker system**

| | |
|---|---|
| **Speakers** | 100 mm (4 in.) cone type, 4 ohms |
| **Dimensions (W × H × D)** | 150 × 237.5 × 208.7 mm |
| **Weight** | 1.1 kg |

**General**

| | |
|---|---|
| **Power requirements** | 230 V AC, 50 Hz |
| **Power consumption** | 30 W |
| **Dimensions of main unit (W × H × D)** | 160 × 237.5 × 210.5 mm |
| **Weight of main unit** | 2.8 kg |

Specifications and external appearance are subject to change without notice.

# TROUBLESHOOTING GUIDE

If the unit fails to perform as described in these Operating Instructions, check the following guide.

**GENERAL**

**There is no sound.**

- Is the AC cord connected properly?
- Is there a bad connection? (→ page 3)
- There may be a short circuit in the speaker terminals.
  → Disconnect the AC cord, then correct the speaker connections.
- Was an incorrect function button pressed?

**Sound is emitted from one speaker only.**

- Is the other speaker disconnected?

**TUNER SECTION**

**There is constant, wave-like static.**

- Is the antenna connected properly? (→ page 3)

**The reception contains noise interferences or the sound is distorted.**

- Is the system picking up external noise or multipath distortion?
  → Change the orientation of the antenna.
  → Move the unit away from other electrical appliances.

**CASSETTE DECK SECTION**

**The tape does not run.**

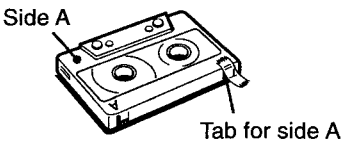
- Is the deck in pause mode? (→ page 12)

**The sound is off-balance or not adequately high.**

- Is the playback head dirty? (→ page 15)

**Recording is not possible.**

- If the tab on a cassette broken off, cover the hole with adhesive tape.




- Is the recording head dirty? (→ page 15)

**Erasure is not possible.**

- Is the erasure head dirty? (→ page 15)
- Is a $CrO_2$ or metal tape being used?

**High frequency sound is not emitted.**

- Is the recording/playback head dirty? (→ page 15)

**CD PLAYER SECTION**

**The CD player does not play.**

- Is the disc correctly loaded ? (→ page 6)
- Is the disc dirty? (→ page 15)
- Is the lens affected by condensation?
  → Wait approximately one hour and try again.

**CLOCK AND TIMER SECTION**

**Timer setting is not possible.**

- Does the clock flash on the display ?
  → Reset the clock. (→ page 13)

En

# PARTS INDEX

The parts on the main unit and remote control are listed in alphabetical order with the pages on the right side. Refer to each page for instructions about each part.

# KENNZEICHNUNG DER BEDIENELEMENTE

Die Beschreibung für jedes Bedienelement auf dem Hauptgerät bzw. der Fernbedienung findet sich in alphabetischer Reihenfolge auf der rechten Seite. Siehe die einzelnen Seiten für Anleitungen zu den Bedienelementen.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